

Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

F 177	METHOD OF PREPARING ENANTIOMER OXIDES	UCALLY-ENRICHED TETRAHYDROBENZOTHIEPINE	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the specification of which		
Han Had	(check one)		
rj Lj	☐ is attached hereto.		
La# E	■ Was filed on 19 June 2000	as United States Application No. or PCT International	
	Application Number 09/581,897		
Tų. Li	and was amended on		
ļ.k	(if applicable)		
	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.		
		and Halland Otation Detaut and Trademont Office 1935	

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Applica	Application(s)		Priority Not Claimed
PCT/US98/26216	· wo	16 December 1998	×
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	J

Full name of fourth inventor, if any SNIECKUS, Victor

Fourth inventor's signature

Residence

2 3 EARL ST. ICINGSTUN, UN, CANADA K72 264

Citizenship

US CANADA

Post Office Address
Dept. of Chemistry, Queens's University

Kingston, Ontario, Canada K7L 3N6

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Full name of sixth inventor, if any
CARPENTER, Andrew J.

Sixth inventor's signature

Residence

Citizenship
US

Post Office Address
Five Moore Drive, Research Triangle Park, N.C. 27709-3398

M



Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

£	MI	THOD OF PREPARING ENANTIOMERICALLY-ENRICHED TETRAHYDROBENZOTHIEPINE
	OX	IDES
	the	specification of which
M.	(ct	eck one)
		is attached hereto.
sadi S	\boxtimes	was filed on 19 June 2000 as United States Application No. or PCT International
		Application Number 09/581,897
		and was amended on
= å1		(if applicable)
in d		and understand the contents of the above identified specification

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Applica	ior Foreign Application(s)		Priority Not Claimed
PCT/US98/26216	· wo	16 December 1998	⊠
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	
(Number)	(Country)	(Day/Month/Year Filed)	_

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
I hereby claim the benefit under 3 Section 365(c) of any PCT Internationsofar as the subject matter of each section of the subject matter of each section.	ional application designating	the United States, listed below and
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this	application in the manner positive the duty to disclose to the less to be material to patentabile between the filing date of the second	rovided by the first paragraph of 3 United States Patent and Trademar lity as defined in Title 37, C. F. R
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available	application in the manner positive the duty to disclose to the less to be material to patentabile between the filing date of the second	rovided by the first paragraph of 3 United States Patent and Trademar lity as defined in Title 37, C. F. R
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this	application in the manner positive the duty to disclose to the less to be material to patentable between the filing date of the sapplication:	rovided by the first paragraph of 3 Jnited States Patent and Trademar lity as defined in Title 37, C. F. R he prior application and the national

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

Send	Corresponder	ice	to:
σ	CONTOOPONOON		

IJ

C/1

f.,

M

T T 3500 E B

Pharmacia/G.D. Searle & Co., Corporate Patent Dept.

P.O. Box 5110

Chicago, Illinois 60680

Direct Telephone Calls to: (name and telephone number)

Warner, James M., 314-694-3642

Seytenker	19	Date , 2000	
<i>V</i>			
		٠٠, ٠٠	
	S'eptenker	Septenker 19	- Francisco de la constanta de

Full name of second inventor, if any WANG, Ching-Cheng	
Second inventor's signature	Date , 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	
Citizenship US	
Post Office Address (same as residence)	

Full name of third inventor, if any REITZ, David B.	
Third inventor's signature	Date , 2000
Residence 14814 Pleasant Ridge Ct., Chesterfield, MO 63017	
Citizenship US	

Full name of fourth inventor, if any SNIECKUS, Victor	
Fourth inventor's signature	Date , 2000
Residence	
Citizenship	
US	
Post Office Address	
Dept. of Chemistry, Queens's University	 9.1
Kingston, Ontario, Canada K7L 3N6	

ull name of fifth inventor, if any IUANG, Horng-Chih	
ifth inventor's signature	Date , 2000
tesidence 5481 Duxbury Way, Chesterfield, MO 63017	
Citizenship JS	
Post Office Address same as residence)	

Sixth inventor's signature	Date , 2000
Residence	
Citizenship US	
Post Office Address Five Moore Drive, Research Triangle Park, N.C. 27709-3398	

rij Ciri

F

ķa⊧

Post Office Address (same as residence)

OXIDES

the specification of which



Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF PREPARING ENANTIOMERICALLY-ENRICHED TETRAHYDROBENZOTHIEPINE

(check one	e)					
was file was file	ched hereted	June 2000	as U	Inited States Application	No. or PCT I	International
		oer 09/581,897				
and wa	as amende	d on		(if applicable)		
l hereby s	state that I the claims,	have reviewed and as amended by ar	d understand ny amendme	I the contents of the about the referred to above.	ove identified	specification,
I acknowle known to Section 1.	me to be	uty to disclose to material to pater	the United S ntability as d	itates Patent and Trade efined in Title 37, Cod	mark Office a e of Federal	all information Regulations,
Section 1.	.50.					
I hereby Section 30 any PCT I listed belo inventor's	claim forei 65(b) of ar Internations	ny foreign applicat al application whic e also identified bo or PCT Internation	tion(s) for pa h designated elow, by che	e 35, United States Content or inventor's certificated at least one country of cking the box, any foreign having a filing date be	icate, or Sec her than the l gn applicatio	tion 365(a) of United States, n for patent or
I hereby Section 30 any PCT I listed belo inventor's on which p	claim forei 65(b) of ar Internationa ow and hav certificate	ny foreign applicat al application whic e also identified be or PCT Internation aimed.	tion(s) for pa h designated elow, by che	atent or inventor's certification at least one country of cking the box, any foreigns.	icate, or Sec her than the l gn application efore that of t	tion 365(a) of United States, n for patent or
I hereby Section 30 any PCT I listed belo inventor's on which p	claim forei 65(b) of ar Internationa ow and hav certificate priority is cl	ny foreign applicat al application whic e also identified be or PCT Internation aimed.	tion(s) for pa h designated elow, by che	atent or inventor's certification at least one country of cking the box, any foreigns.	icate, or Sec her than the l gn application efore that of t	tion 365(a) of United States, or for patent or he application
I hereby Section 30 any PCT I listed belo inventor's on which p	claim forei 65(b) of ar Internationa ow and hav certificate priority is cl	ny foreign applicated all application which all application which elements in all application or PCT Internation aimed.	tion(s) for pa h designated elow, by che	atent or inventor's certification of the second of the sec	her than the light application application efore that of the priority	United States, or for patent or he application Not Claimed
I hereby Section 30 any PCT I listed belo inventor's on which perior Fore	claim forei 65(b) of ar Internationa ow and hav certificate priority is cl	ny foreign applicated applicated application which all application which all application which all application properties of the second application ap	tion(s) for pa h designated elow, by che	atent or inventor's certification and inventor's certification at least one country of ching the box, any foreign having a filing date be at the least of the lea	erate, or Section than the light application of the priority ————————————————————————————————————	United States, or for patent or he application Not Claimed

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
Section 365(c) of any PCT Internati	ional application designating t	ny United States application(s), or he United States, listed below and,
United States or PCT International U.S.C. Section 112, I acknowledge	ach of the claims of this application in the manner prose the duty to disclose to the Ue to be material to patentabilite between the filing date of the	ication is not disclosed in the prior ovided by the first paragraph of 35 nited States Patent and Trademark
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available	ach of the claims of this application in the manner prose the duty to disclose to the Ue to be material to patentabilite between the filing date of the	ovided by the first paragraph of 35 nited States Patent and Trademark ty as defined in Title 37, C. F. R.,
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this	ach of the claims of this application in the manner prose the duty to disclose to the Ue to be material to patentabilite between the filing date of the application:	ication is not disclosed in the prior ovided by the first paragraph of 35 nited States Patent and Trademark ty as defined in Title 37, C. F. R., ne prior application and the national (Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.





POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

ned from price state in the	Send Correspondence to:	Pharmacia/G.D. Searle & Co., Corporate Patent Dept. P.O. Box 5110 Chicago, Illinois 60680	
	Direct Telephone Calls to: Warner, James M., 314-694-36	(name and telephone number) 642	
ulles espectated places in	Full name of sole or first inventor L1, Jinglin (James T.) Sole or first inventor's signature		Date , 2000
Hart with	Residence 62-13 Ravens Crest Drive, F	Plainsboro, NJ 08536	
	Citizenship US		
:	Post Office Address (same as residence)		**

WANG, Ching-Cheng Second inventor's signature	Date , 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	
Citizenship US	
Post Office Address (same as residence)	

Full name of third inventor, if and	-
REITZ, David B.	
Third inventor's signature	Date , 2000
Residence	
14814 Pleasant Ridge Ct., Chesterfield, MO 63017	
Citizenship	
US	
Post Office Address	
same as residence)	

Date , 2000
, 2000

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Date
, 2000

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Sixth inventor's signature	SEPT. 19	Date , 2000
Residence		,
Citizenship US		
Post Office Address Five Moore Drive, Research Triangle Park, N.C. 27709-3398		

144

Hard Hand

Docket No. 3163/1/US

Declaration and Power of Attorney For Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original,

	which a patent is sought on the invention entitled						
	METHOD OF PREPARING ENANTIOMERICALLY-ENRICHED TETRAHYDROBENZOTHIEPINE OXIDES						
the s	pecification	of which					
(chec	k one)	r					
[] 🔲 is	attached h	ereto.					
mas.	as filed on	19 June 2000		as United St	ates Application No.	or PCT I	nternational
: [] A	pplication N	lumber 09/5	81,897				
TU aı	nd was ame	ended on					
int.				(if app	licable)		
🗐 I here	eby state th	at I have rev	riewed and under	rstand the cor	ntents of the above i	dentified	specification,
know Section I here Section Section Instead	I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application						
		is claimed.					
Prior	Prior Foreign Application(s) Priority Not Claimed						
PCT/U	S98/26216	· <u>v</u>	vo	16	December 1998	_	\boxtimes
(Num	ber)		(Country)	([Day/Month/Year Filed)	•	_
(Num	ber)		(Country)	([Day/Month/Year Filed)		
(Num	ber)		(Country)	([Day/Month/Year Filed)		

60/068,170	19 December 1997	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
(Application Serial No.)	(Filing Date)	
Section 365(c) of any PCT International insofar as the subject matter of ea	ich of the claims of this app	plication is not disclosed in the prior
United States or PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this	the duty to disclose to the leto be material to patentabile between the filing date of	United States Patent and Trademark illity as defined in Title 37, C. F. R.,
United States of PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this (Application Serial No.)	the duty to disclose to the leto be material to patentabile between the filing date of	United States Patent and Trademark illity as defined in Title 37, C. F. R.,
United States of PCT International U.S.C. Section 112, I acknowledge Office all information known to me Section 1.56 which became available or PCT International filing date of this	the duty to disclose to the let to be material to patentable between the filing date of application:	United States Patent and Trademark ility as defined in Title 37, C. F. R., the prior application and the national (Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (*list name and registration number*)

Bauer, S. Christopher, Reg. 42305 Forbes, James C., Reg. 39457 Keane, J. Timothy, Reg, 27808 Luckow, Verne A., Reg. 45950 Scrivner, Alan L, Reg. 43104 Williams, Roger A., Reg. 27679 Bennett, Dennis A, Reg. 34547 Gryte, David M., Reg. 41809 Kovacevic, Cynthia S., Reg. 35578 Meyer, Scott J., Reg. 25279 Warner, James M., Reg. 45199

The fact that he fact had	Send Correspondence to:	Pharmacia/G.D. Searle & Co., Corporate Patent Dept. P.O. Box 5110 Chicago, Illinois 60680	
	Direct Telephone Calls to:	(name and telephone number)	
C.)	Warner, James M., 314-694-36	542	
Il that the arts or	Full name of sole or first inventor LI, Jinglin (James T.)		
La	Sole or first inventor's signature		Date , 2000
M	Residence 62-13 Ravens Crest Drive, F	Plainsboro, NJ 08536	
	Citizenship US		
	Post Office Address (same as residence)		

Second inventor's signature	Sept. 18, 2000
Residence 2470 Maple Crossing Drive, Wildwood, MO 63011	/
Citizenship US	
Post Office Address (same as residence)	



Full name of third inventor, if any REITZ, David B.

Third inventor's signature

Residence
14814 Pleasant Ridge Ct., Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

	Full name of fourth inventor, if any SNIECKUS, Victor	
	Fourth inventor's signature	Date , 2000
F. 8 1.1.	Residence	
	Citizenship US	
	Post Office Address Dept. of Chemistry, Queens's University	
	Kingston, Ontario, Canada K7L 3N6	

Full name of fifth inventor, if any
HUANG, Horng-Chih

Fifth inventor's signature

Residence
15481 Duxbury Way, Chesterfield, MO 63017

Citizenship
US

Post Office Address
(same as residence)

Full name of sixth inventor, if any CARPENTER, Andrew J.	
Sixth inventor's signature	Date , 2000
Residence	
Citizenship US	
Post Office Address Five Moore Drive, Research Triangle Park, N.C. 27709-3398	

h-b

[]

ΓŲ